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Claims

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- Use of a first polyethylene polymer having a density of at least 950 kg/m³ as a nucleating agent for a second polyethylene polymer having a density of less than 940 kg/m³.
- Use of claim 1 wherein said first polyethylene
 polymer is a homopolymer.
 - 3. Use as claimed in claim 1 or 2 wherein the density of the first polyethylene polymer is at least 955 kg/m^3 .
- 15 4. Use as claimed in claim 1 to 3 wherein the MFR_2 of the first polyethylene polymer is 5 to 20 g/10 min.
 - 5. Use as claimed in claim 1 to 4 wherein the amount of first polyethylene polymer employed is 0.6 to 5 %wt, relative to the weight of second polyethylene polymer.
 - 6. Use as claimed in claim 1 to 6 wherein said second polyethylene polymer is a copolymer or terpolymer of ethylene with at least one C_{3-10} α -olefin.
 - 7. Use as claimed in claim 1 to 6 wherein said second polyethylene polymer is made using a single site catalyst.
- 30 8. Use claimed in claim 1 to 7 wherein said second polyethylene polymer is an ethylene/hexene copolymer or ethylene/butene/hexene terpolymer.
- 9. Use as claimed in claim 1 to 8 wherein the density of the second polyethylene polymer is less than 935 kg/m^3 .

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- 10. A polymer composition comprising:
- A) 0.5 to 5% wt of a polyethylene homopolymer having a density of at least 950 kg/m 3 ; and

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- B) at least 95% wt of a polyethylene co- or terpolymer with at least one C_{3-10} α -olefin, said polymer having a density of less than 940 kg/m³.
- 10 11. A film comprising a polymer as claimed in claim 10.
 - 12. A film as claimed in claim 11 having a Haze (ASTM D 1003) of less than 40% and a gloss (ASTM D 523-66T) of at least 35.

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